DPX™ Technology PLUS from ⏦PIE

APPLICATION AND INSTALLATION INSTRUCTIONS FOR
GM12LAN-AUX/S.

The GM12LAN-AUX/S converts the XM satellite radio port of the GM radio into an auxiliary input. The GM12LAN-AUX/S provides full compatibility with the factory On-Star system, and factory XM Satellite Radio. Additional harness is required. (Not included)

VEHICLE APPLICATIONS:
For use with the following vehicles when equipped with "Class 2" (on the left) or LAN-BUS (on the right) that have XM Satellite ready capable radios:

CLASS II APPLICATIONS				LAN-BUS APPLICATIONS	
BUICK		**GMC**		**BUICK**	
ALLURE	2005-2007	CANYON	2004-2008	ENCLAVE	2008
CENTURY	2004-2005	ENVOY	2004-2008	LUCERNE	2006-2007
LaCrosse	2005-2007	Sierra	2003-2006		
RAINIER	2004-2006	Sierra (Classic)	2007	**CADILLAC**	
RENDEVOUS	2002-2007	SONOMA	2003-2004	ESCALADE	2007-2008
		Yukon/Denali/XL	2003-2006		
CADILLAC				**CHEVROLET**	
ESCALADE	2003-2006	**HUMMER**		AVALANCHE	2007-2008
SRX	2004-2006	H2	2003-2007	IMPALA	2006-2007
		H3	2005-2008	MONTE CARLO	2006-2007
CHEVROLET				SILVERADO (NBS)	2007-2008
AVALANCHE	2003-2006	**OLDSMOBILE**		SUBURBAN	2007-2008
BLAZER	2003-2005	ALERO	2004	TAHOE	2007-2008
CAVALIER	2003-2005	BRAVADA	2004		
COLORADO	2004-2008			**GMC**	
CORVETTE	2005-2008	**PONTIAC**		ACADIA	2007-2008
EXPRESS VAN	2003-2005	AZTEC	2003-2006	SIERRA (NBS)	2007-2008
IMPALA	2003-2005	GRAND AM	2003-2006	YUKON/DENALI/IXL	2007-2008
LUMINA	2003-2006	MONTANA	2004-2007		
MONTE CARLO	2003-2005	SUNFIRE	2003-2005		
C/K TRUCK	2003-2006				
SILVERADO	2003-2006	**SATURN**			
SIVERADO (CLASSIC)	2007	RELAY	2005-2006		
SSR	2003-2006				
SUBURBAN	2003-2006				
TAHOE	2003-2006				
TRAILBLAZER	2004-2008				
UPLANDER	2005-2007				
VENTURE	2004-2005				
GM CLASS II HARNESS REQUIREMENTS				**GM LAN HARNESS REQUIREMENTS**	
GM12-R1 for 2003-2008 Class II radios (Connects at the Class II Radio) **GM12-X2** for 2003-2008 Class II Radios with XM (Connects at XM Tuner, retains XM)				**GMLAN-R1** for 2006-2008 GM LAN Radios (Connects at GM LAN Radio) **GMLAN-X1** for 2006-2008 GM LAN Radios with XM (Connects at XM Tuner, retains XM)	

INSTALLATION:

CAUTION: BEFORE ANY CONNECTIONS ARE MADE, PIE STRONGLY RECOMMENDS THAT ALL CIRCUITS BE VERIFIED WITH A VOLTMETER BEFORE ITERFACING WITH THEM. ALWAYS SET THE PARKING BRAKE BEFORE WORKING ON ANY VEHICLE.

DO NOT force connectors together as pin damage may occur. This installation will be flawless if you take your time making the connections described below. Following the installation sequence below is critical to ensure proper recognition of the auxiliary interface by the factory radio. **NOTE**: The GM12LAN-AUX/S will allow the factory XM to continue to operate provided the correct harness (not provided) is used for the specific application (see diagram below).

1. Disconnect the negative battery terminal.
2. Remove the GM radio or locate the factory XM satellite tuner, depending on which vehicle specific harness is used.
3. Remove any connector that may be in the 12-pin or 14 and 16-pin connectors of the factory radio (or XM tuner).
4. See reverse side for connection instructions of your specific GM harness.
5. Connect the male 24-pin Molex connector of specific harness to the mating end on the GM12LAN-AUX/S.
6. Connect appropriate length patch cord (not included) between GM12LAN-AUXIS and auxiliary device.
7. Re-install factory radio or XM tuner.
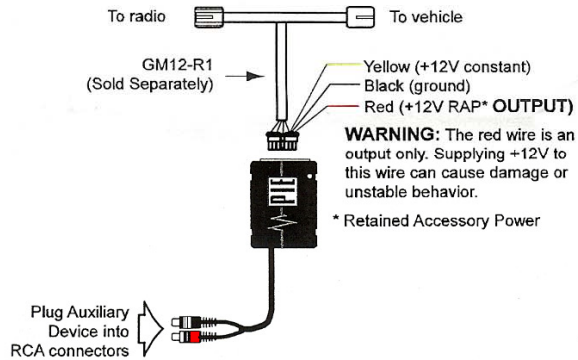8. Reconnect the negative battery terminal.

VERIFY OPERATION:
See Diagram below.

INSTALLATION DIAGRAM
PIE PART # GM12LAN-AUX/S

GM Class II vehicles WITHOUT XM

To radio | To vehicle

GM12-R1
(Sold Separately)

Yellow (+12V constant)
Black (ground)
Red (+12V RAP* OUTPUT)

WARNING: The red wire is an output only. Supplying +12V to this wire can cause damage or unstable behavior.

* Retained Accessory Power

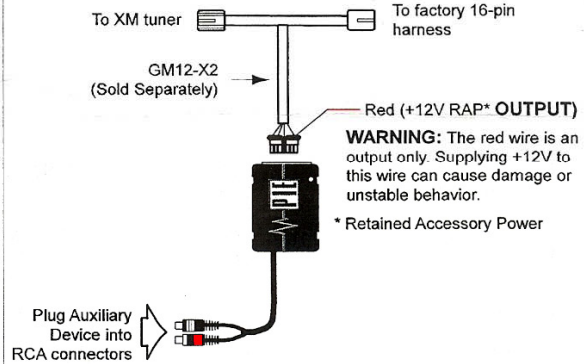Plug Auxiliary Device into RCA connectors

OPERATION:

- Press "BAND" button to access Aux Audio.
- Radio will display "PIE AUX-IN" when in aux mode.

GM Class II vehicles WITH XM
(NOTE: Installation is done at the XM tuner)

To XM tuner | To factory 16-pin harness

GM12-X2
(Sold Separately)

Red (+12V RAP* OUTPUT)

WARNING: The red wire is an output only. Supplying +12V to this wire can cause damage or unstable behavior.

* Retained Accessory Power

Plug Auxiliary Device into RCA connectors

OPERATION:

- With radio in XM mode, press radio preset #1 to switch between XM and AUX.
- Radio will display "PIE AUX-IN" when in aux mode.

GM LAN vehicles WITHOUT XM

To radio | To vehicle

GMLAN-R1
(Sold Separately)

Red (+12V RAP* OUTPUT)

WARNING: The red wire is an output only. Supplying +12V to this wire can cause damage or unstable behavior.

* Retained Accessory Power

Plug Auxiliary Device into RCA connectors

OPERATION:

- Press "BAND" button to access Aux Audio.
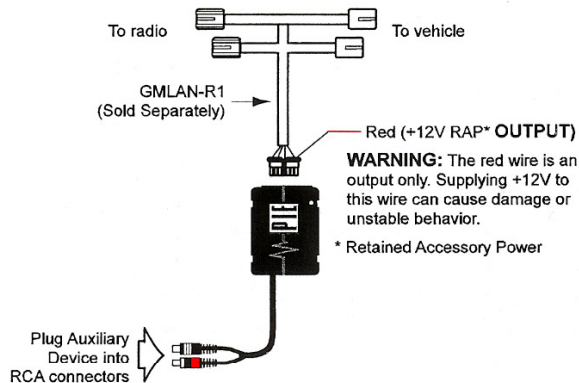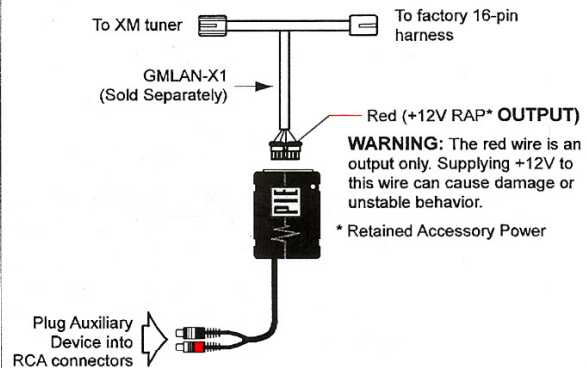- Radio will display "PIE AUX-IN" when in aux mode.

GM LAN vehicles WITH XM
(NOTE: Installation is done at the XM tuner)

To XM tuner | To factory 16-pin harness

GMLAN-X1
(Sold Separately)

Red (+12V RAP* OUTPUT)

WARNING: The red wire is an output only. Supplying +12V to this wire can cause damage or unstable behavior.

* Retained Accessory Power

Plug Auxiliary Device into RCA connectors

OPERATION:

- With radio in XM mode, press and hold SEEK< to switch between XM and AUX.
- Radio will display "PIE AUX-IN" when in aux mode.

WARRANTY

Precision Interface Electronics, Inc. warrants all of its products to be free from defects in material and workmanship. For a period of 90 days from the Date of Sale, PIE will, at its discretion, repair or replace any product found to be defective under normal use. Misuse, tampering with or in any way altering products will void any and all warranties. This warranty neither assumes or authorizes any other person to assume for it any other liability relative to its products. In no event does PIE assume liability for any incidental or consequential damages. Neither does PIE assume any other liabilities except as provided herein.

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